**Business Goal**

The Department of Health has identified a disjoint between services required by communities and services rendered by its designated service providers. This results in undesirable amounts of wasted expenditure as well as dissatisfied community members and tax payers.

In order to tackle this problem, the Department of Health needs to be more engaged with the community at regular intervals. The solution that the department has come up with is to conduct surveys at prescribed intervals at the various communities. However, it is unclear how the solution is to be implemented. As such, limited budget and time has been allocated to discovering whether such a solution exists. And if so, what capabilities such a solution may take on.

The overall desired goal is to

* Allow surveyors to travel even to the outskirt communities and be able to gather survey responses
* Reduce the time between data acquisition and decision making by providing summarised reporting to department management

**Project Scope**

In order to conduct a survey, as a surveyor, I want to be able to record the responses of respondents

In order to provide data for analytics, as the system, I want to be able to record the details of the respondent taking part in the survey

In order to make decision making easier for the department, as the system, I want to provide reporting that is quick and easy to read

In order to allow surveys to be conducted in remote areas, as the system, I want to allow survey capture in both online and offline modes

**Key Examples**

**Key Examples: Conducting a Survey**

Surveyor asks a yes/no question

Surveyor ask a question with pre-defined answers

Surveyor asks a free form question

**Key Examples: Reporting**

The number of yes/no answers are tallied and displayed per question

The number of each pre-defined answer are tallied and displayed per question

The number of key phrases are tallied and displayed per free-form answer

**Key Examples: Offline Mode**

The surveyor conducts a survey in offline mode and syncs with the system

The surveyor conducts multiple surveys in offline mode and syncs all of them with the system

**Specification with Examples**

**Conducting a Survey**

Given that a yes/no question has been defined   
when the surveyor asks the respondent the question  
then the surveyor can only capture an answer from the given options

Given that a pre-defined question has been defined  
when the surveyor asks the respondent the question  
then the surveyor can only capture an answer from the given options

Given that a free-form question has been defined  
when the surveyor as the respondent the question  
then the surveyor can capture a valid answer, limited to 1500 characters

**Reporting**

Given that a survey has been conducted  
and the survey has been submitted  
when the survey’s results are selected  
and a particular question is selected  
then a graph showing the responses received is displayed

**Offline Mode**

**???**

[1] From the specification by example book, suited for agile methodologies because “reduce unnecessary rework, and facilitate change” where change is inevitable in agile practices.

Also looking for the executable specifications advantage – BDD, living documentation: spec and tests never out of sync